


BIO - SKETCH

	Name: Dr. Panakala Rajesh Kumar
	Designation : Professor
	Total Experience : 23 years
	Email: rajeshp.ece@hitam.org
	Mobile: 9573714385
Specialization	VLSI Design and Robotics
Academic Qualification	M.E.(Digital System), Ph.D (IIT Madras)
Total Teaching Experience	23 years
Publication Details	<p>Surya Prasad B, Rajesh K Panakala , P Rajesh Kumar, “A New Multimodal Medical Image Fusion Framework using Convolutional Neural Networks”, Automatika (Taylor & Francis) (Accepted – January 2022)</p> <p>Surya Prasad B, Rajesh K Panakala , Getha Devi A, “A Comparative Analysis of Conventional and Deep Learning Image Fusion Methods”, Automatika (Taylor & Francis) (Accepted – December 2021)</p> <p>Hanitha Devi G, Rajesh K Panakala, Nagendra P, “Automatic Body Mass Detection System”, IEEE Consumer Electronics Magazine</p> <p>Sanjay D, Rajesh K. Panakala, Satya Savithri Tirumala. “Hardware and Software Co-design Methodology for Implementing Algorithms of Person Follower Robotic System”, International Journal of Mechanisms &Robotics PP 89-106,Vol. No. 4, March,2018. (InderscienceJournal)</p> <p>B. S. Deepak, K. Takeshore, Rajesh K. Panakalaand C. Sairam."Design of a Wide Band Blade Monopole Antenna in 135-175 MHz Band". Progression Electromagnetics Letters, Vol 68, PP-25-32,May2017</p> <p>P.Rajesh Kumar and K. Sridharan. ``VLSI-Efficient Scheme and FPGA Realization for Robotic Mapping in a Dynamic Environment".IEEETransactions of VLSI, PP 118-123,January 2007. Impact Factor (2007) – 0.707.</p> <p>P.Rajesh Kumar, K. Sridharan and S.Srinivasan.``A Parallel Algorithm, Architecture and FPGA Realization for Landmark Determination and Map Construction in a Planar Unknown Environment". Parallel Computing Journal, Elsevier,pp 205-221, March 2006. Impact Factor (2006) – 0.825.</p> <p>T.K. Priya, P. Rajesh Kumar and K. Sridharan, ``A hardware efficient scheme and FPGA realization for computation of single pair shortest path for amobile automaton”. Microprocessors and Microsystems Journal, Elsevier, PP 413-424, November 2006. Impact Factor (2006) – 0.545</p>

Awards & Honours	Received Best Labview Academy award for the year 2017 from National Instruments, Bangalore
	Received Best Paper Award for “Person follower Robotic System” research paper in International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT-2014) which was held from 10-11 July 2014 at Kanyakumari, Tamil Nadu
	Received Best Teacher award in the Academic Year 2010-11 from JNTU Kakinada, Andhra Pradesh
	Under my mentorship “E-Stick for Blind and Deaf” project team won the consolation prize in the Imagine Cup-2010 Accessibility
	Received a citation of honor for the year 1998 from RVR & JC College of Engineering, Andhra Pradesh in appreciation of distinguished achievement as a teacher
	Awarded IIT Madras scholarship for Ph.D work from Jan. 2002 until Feb. 2003 (appointed as a Project Officer in a DST sponsored project in VLSI for Robotics in March 2003)
Workshops / Seminars / Conferences / Training Programs Attended	D. Sanjay, Chinnaiah M.C, T. S. Savithri and P. R. Kumar, "A Survey of Reconfigurable Service Robots," 2016 International Conference on Research Advances in Integrated Navigation Systems (RAINS), Bangalore, 2016,
	D. Sanjay, P. R. Kumar and T. S. Savithri ", Robotic System using Fuzzy Logic for Person Following," IEEE International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO), Visakhapatnam, 2015,
	Chinnaiah, M.C, Savithri, T.S.Kumar, P.R., " A Novel Approach in Navigation of FPGA Robots in an Indoor Environment ", Advance Robotics and Intelligent systems (ARIS -2015), Taipei, Taiwan, 2015 International IEEE Conference on, 29-31 May. 2015.
	Sanjay Dubey, Panakala.R.K, Satyasavithri.T. “Person Follower Robotic System”, International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT-2014), 10-11 July 2014, Kanyakumari, Tamil Nadu, India.
	Chinnaiah, M.C, Kumar, P.R. Savithri, T.S., "A Novel Approach in Implementation of Rendezvous Behavioral Control between Robots”, Advance Robotics and Intelligent systems (ARIS -2014), Taipei, Taiwan, 2014 International IEEE Conference on, 6-8 Jun. 2014.
	I.B.K.Raju , Dr.P.Rajesh Kumar & P.Jamal , ” Optimized Implementation of RNS Arithmetic on FPGAs” , National Conference on Signals and Image Processing, Kakinada, India, April 2012
	Chinnaiah, M.C.; Sanjay, D.; Kumar, P. Rajesh ; Savithri, T. Satya; , "A Novel Approach and Implementation of Robot Path Planning using Parallel Processing algorithm" , International Conference on Communications, Devices and Intelligent Systems (CODIS), Kolkata, India, 28-29 Dec. 2012